

Aprilaire[®]

Central Dehumidifiers

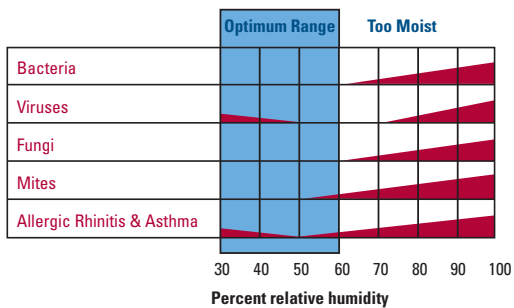


***Create a healthier,
more comfortable
home environment.***

Controlling excess humidity is essential for health, comfort and energy savings.

Protect Your Health.

Allergens, like molds, thrive in relative humidity conditions above 60%, leading to a variety of ailments including asthma, allergies and respiratory infections. Dust mites, the leading cause of allergies, thrive in as little as 50% relative humidity. Aprilaire high capacity central dehumidifiers offer you protection from the spread of mold and other allergens.



Source: ASHRAE, Adapted from Sterling et al., 1985
Data released by the American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE) demonstrates that keeping relative humidity in the optimum humidity zone limits the effects of many unwanted conditions.



"There is no practical way to eliminate all molds indoors; the way to control indoor mold growth is to control moisture."

— U.S. Environmental Protection Agency

"Molds require two factors to grow indoors: (1) free moisture that can occur in the form of relative humidity above 50 percent, leakage from pipes or foundations, or any ongoing source of water, and (2) something to grow on."

— American College of Allergy, Asthma and Immunology

Save Energy.

By using a dedicated central dehumidifier along with air conditioning, you can save up to 18% of your annual energy costs*. The dehumidifier removes moisture from the air while the air conditioner removes the heat. Simply increase your thermostat by three degrees, set your dehumidifier to 59% RH, and be more comfortable! Never again over-cool your home to remove moisture from the air.

Protect Your Home.

Molds thrive in high humidity conditions. Wood floorings, cabinets and furniture also suffer from warpage and structural damage. Remove the worry and protect your home with an Aprilaire dehumidifier that guards against excess moisture. Never again touch a surface in your home that is wet with condensation—a breeding ground for mold.

Protect Your Comfort.

It's easy to identify those hot and sticky days when your home is unbearable without a central air conditioner. But there are also key times of the year when humidity levels are high enough to make you feel uncomfortable, even at moderate temperatures when the air conditioner is not running. Days when:

- Your basement is damp and musty-smelling, even with your air conditioner running.
- The temperature is at the thermostat set point or below, but you still feel uncomfortable.
- You get a clammy feeling or suffer from sleepless or restless nights.
- You use blankets to keep warm in the middle of the summer.

Only a dedicated dehumidifier can effectively reduce excess moisture without overcooling your home—and you!

*Annual energy savings estimates from Research Products "Whole House Dehumidification for Occupant Comfort and Reducing Energy Usage" white paper, published June 2009. Results will vary depending on location and conditions.

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Central dehumidification is essential for all sizes and types of homes.

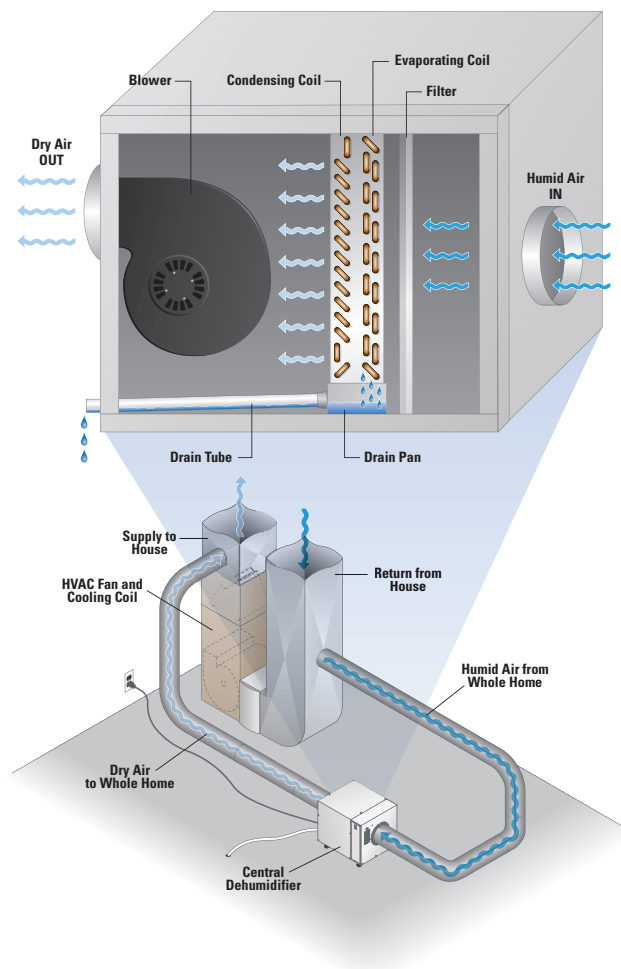


Aprilaire central dehumidifiers have undergone rigorous reliability and durability testing assuring the high-quality performance you expect and deserve from Aprilaire.



All homes need humidity control. And in southern climates, they need it year round. Aprilaire has a solution for every size home. From our compact 65-pint unit—perfect for townhomes, condominiums and homes with a closet HVAC system—all the way up to our 135-pint unit for homes that are 5,000 square feet or more. Aprilaire can provide every homeowner the whole-home protection and performance of central dehumidification.

Installed as part of your home's heating and cooling system, Aprilaire central dehumidifiers pull air from every room in your home through the return ducts. It removes the moisture and then sends dry air back throughout your home. It works in conjunction with your air conditioner to efficiently balance the humidity levels in your home, but can also work independently on days when you don't need the air conditioner.



NOTE: For illustration only. May vary by model.

Practical Design and Built-in Innovation Offer Superior Performance.

- **Control Your Comfort** — Automatic humidity sensing provides efficient and effective removal of excess humidity in your home.
- **Save Energy** — Proper control of excess humidity can save you up to 18%* on your energy bills.
- **Convenient and Quiet Operation** — Installed away from your living space, Aprilaire central dehumidifiers perform with virtually no increase in noise over your HVAC blower system.
- **Low Maintenance** — No messy trays to empty; simple once-a-year filter cleaning.
- **Whole-Home Capacity** — Unlike portable dehumidifiers, high capacity central dehumidifiers protect from one single, out-of-the-way source.
- **Fresh Air Ventilation** — Automatically removes polluted air and circulates fresh air throughout your entire home so that each and every room is fresh and clean.

*Annual energy savings estimates from Research Products "Whole House Dehumidification for Occupant Comfort and Reducing Energy Usage" white paper, published June 2009. Results will vary depending on location and conditions.

Meeting dehumidification needs in spring, summer and fall.



Whole-Home or Basement Control – Choose the Best Solution for Excess Humidity Problems in Your Home.

Whole-Home Protection and Comfort.

Centralized installation works throughout your home to provide dedicated moisture removal when your air conditioner alone is not the answer. Here are just a few of the circumstances when dedicated dehumidification offers the protection you need:

- In spring and fall when humidity can rise but temperatures aren't hot enough to use air conditioning.
- When excess moisture is more than your air conditioner can handle alone.
- In higher efficiency, tighter homes when air conditioning doesn't need to run as long, but trapped moisture continues to build.

Extra Capacity and Protection for that Musty Basement.

Excess humidity in the air can cause basements to smell musty and feel unhealthy and noticeably damp. It can also damage furniture, furnishings and stored items.

Do You Have a Portable in Your Basement?

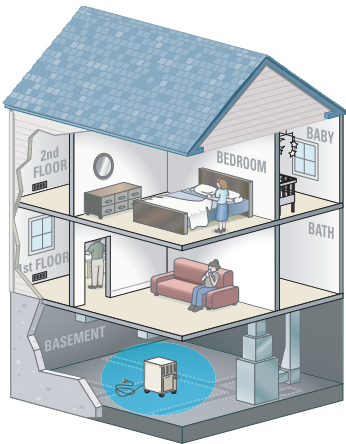
Common portable dehumidifiers are a weak answer. They don't perform well in cool basement environments and you may need more than one to properly treat the entire space. Plus, they're messy, noisy and often freeze up over time.

Aprilaire high capacity central dehumidifiers can remove up to **135 pints each and every day** and are significantly **more efficient than portables** in the same conditions, which means they cost less to operate.

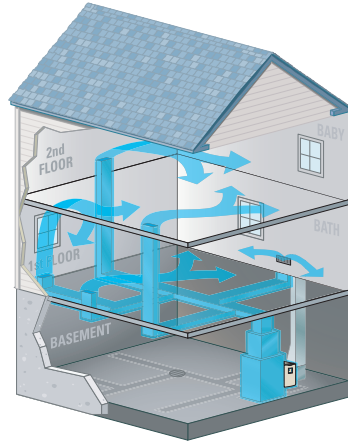
Aprilaire offers
More capacity • More efficiency • More convenience

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Factors to consider for effective dehumidification.



Portable unit removal



Whole-home unit removal

Whole-Home Capacity.

Portable dehumidifiers treat the air in just one room. To properly control health, comfort and preservation throughout your home, you would need to purchase a portable dehumidifier for every room. In this situation, you would consume more electricity than necessary. **A more efficient solution** is to have a single, whole-home central dehumidifier installed as part of your home's central heating and cooling system.

Energy Efficiency.

Air conditioners are great at cooling air, but often require you to over cool your home in order to dehumidify. A central dehumidifier allows you to keep your home at an ideal temperature without feeling sticky. And when you use it year-round, you can achieve **energy savings of up to 18%*** compared to air conditioning. Have a vacation home that you only use part time? Think of how much you'll save running a dehumidifier instead of an air conditioner when you're gone!



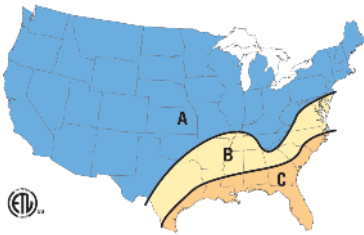
Convenience and Simplicity.

Aprilaire Central Dehumidifiers are easy and economical to maintain. Simply clean the on-board air filter once every 12 months. In addition, they operate in near silence and are tucked away out of site. And, there are **no messy water trays** to empty.

*Annual energy savings estimates from Research Products "Whole House Dehumidification for Occupant Comfort and Reducing Energy Usage" white paper, published June 2009. Results will vary depending on location and conditions.

Take control of your indoor environment with Aprilaire dehumidification solutions.

Sizing Guidelines for Aprilaire Dehumidifiers **



Region On Map	Recommended Home Floor Area ft ² that Listed Dehumidifier can Meet the Dehumidification Load								
	Model 1730A			Model 1750A/1710A			Model 1770A		
	1.00 ach*	0.50 ach	0.35 ach	1.00 ach	0.50 ach	0.35 ach	1.00 ach	0.50 ach	0.35 ach
A	2600	3600	3600	3600	5000	5000	5400	7400	7400
B	2000	3200	3600	2800	4500	5000	4100	6700	7400
C	1200	1800	2400	1700	2600	3400	2500	3800	5000

** These are sizing guidelines only. Assuming 8 ft ceilings. The actual home size is dependent on the exact location of the home, the actual total ventilation rate, occupant living habits, moisture removal characteristics of the air conditioning system and the environmental conditions at which the occupants experience comfort.

* Air changes per hour

Model Number	1730A	1750A / 1710A*	1770A
Water Removal Capacity	65-pints per day	90-pints per day	135-pints per day
Size (W x H x L)	12.5" x 14.5" x 22"	20.5" x 19.58" x 24"	20.5" x 19.58" x 24"
Weight	65 lbs	93 lbs	100 lbs
Warranty	5 years	5 years	5 years

*1710A stand-alone available for non-ducted applications.



Ask about the Aprilaire Model 1710A

- Stand-Alone Dehumidifier for non-ducted applications
- Enjoy the benefits of high-capacity protection no portable can match

Get green with greater comfort from Aprilaire.

Whether you're updating your home to be more healthy, energy-efficient and sustainable or you're building a new green-certified home, Aprilaire offers a complete line of innovative products designed to improve the quality of indoor air.

Our dehumidifiers help by removing excess moisture and reducing the damage that mildew and mold can have on the sustainability of your home and the health of your family. Central dehumidifiers help qualify your home for the Green-Built Certification Program of the National Association of Home Builders.

